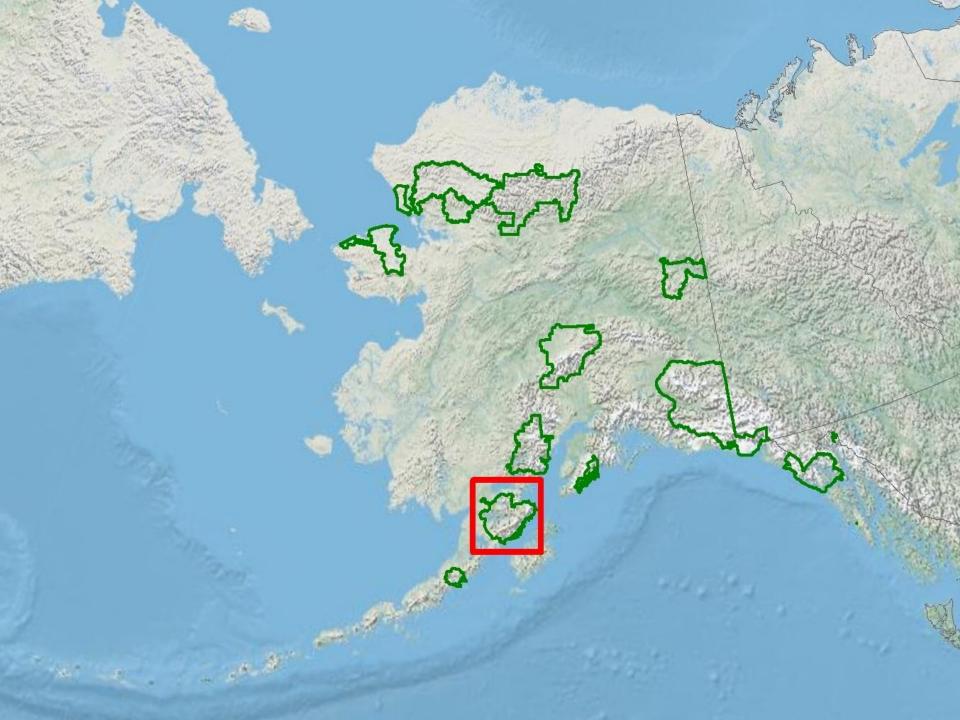
National Park Service
U.S. Department of the Interior

Katmai National Park and Preserve



# Bear use at a coastal foraging site in Katmai National Park: Understanding bear use through time-lapse photography





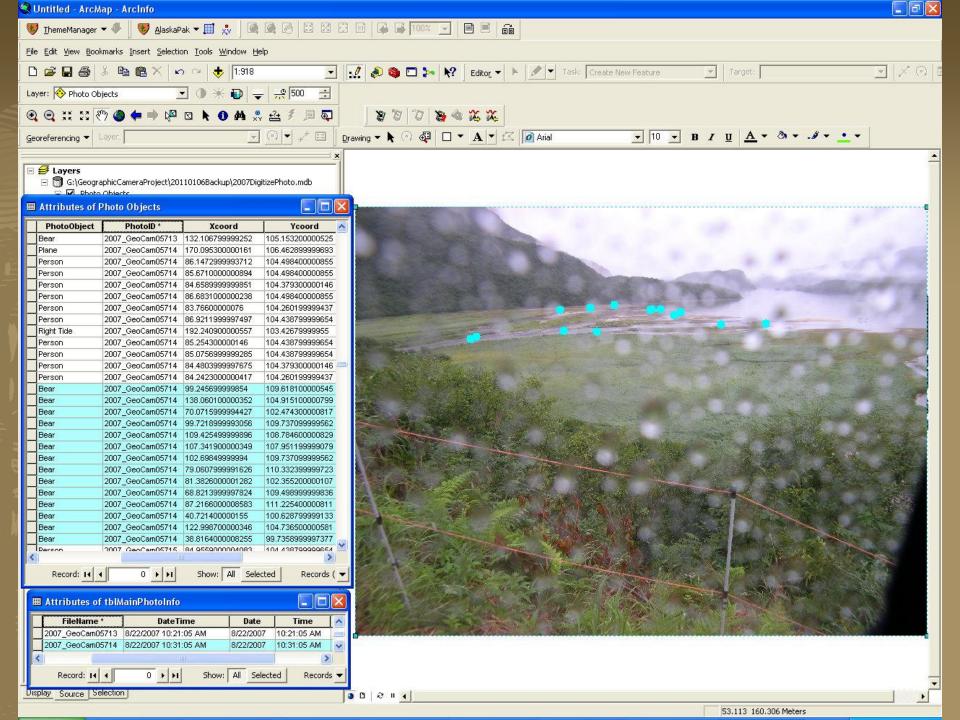






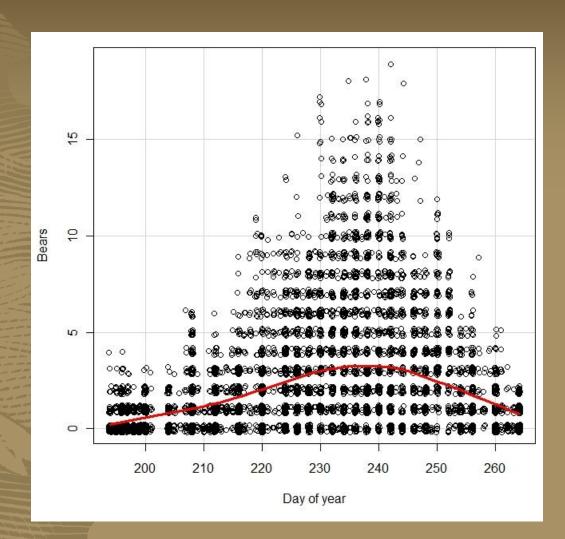




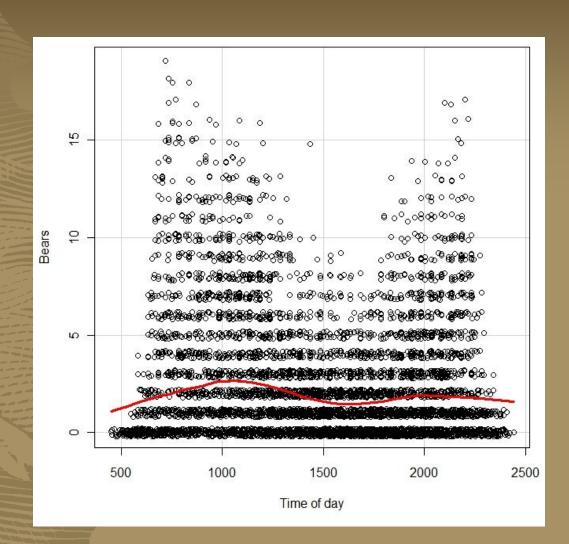




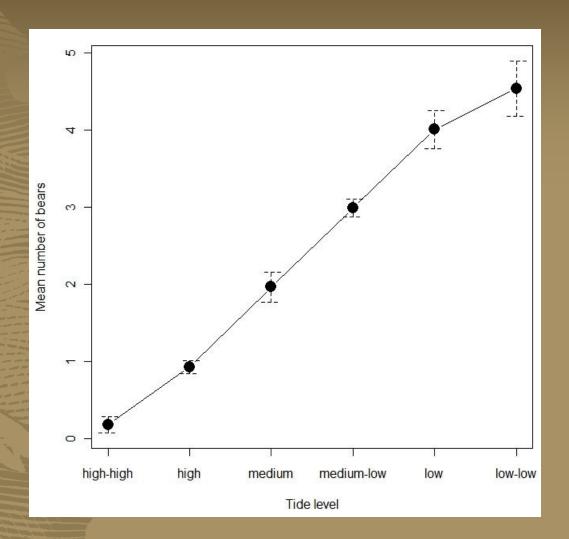
Primary bear use peaks in mid-late August



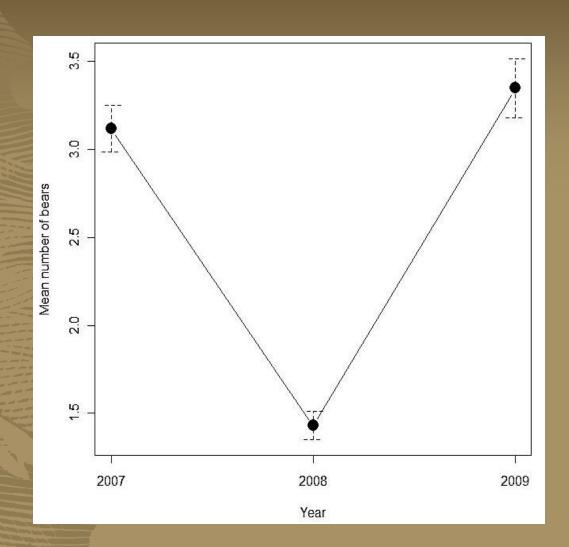
Two peaks in daily bear use



Higher bear use at low tides

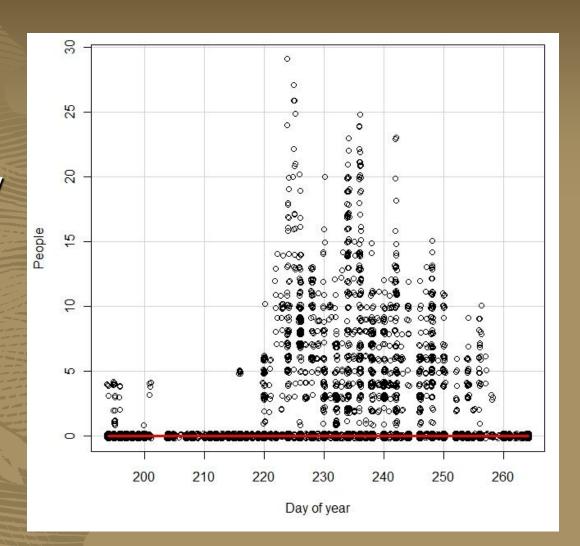


Differencesbetween years

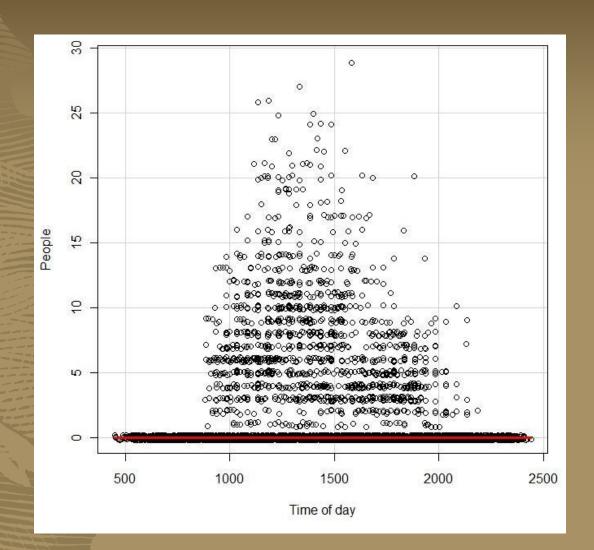




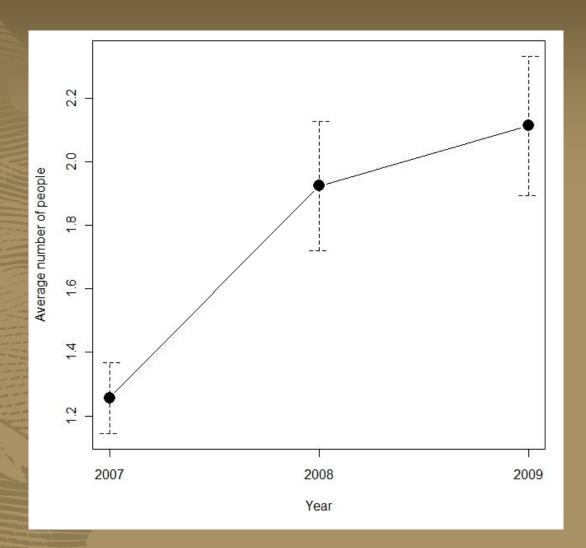
Human use reflects time of high bear activity



- Mid-day use
- Day trips, camping restrictions, access

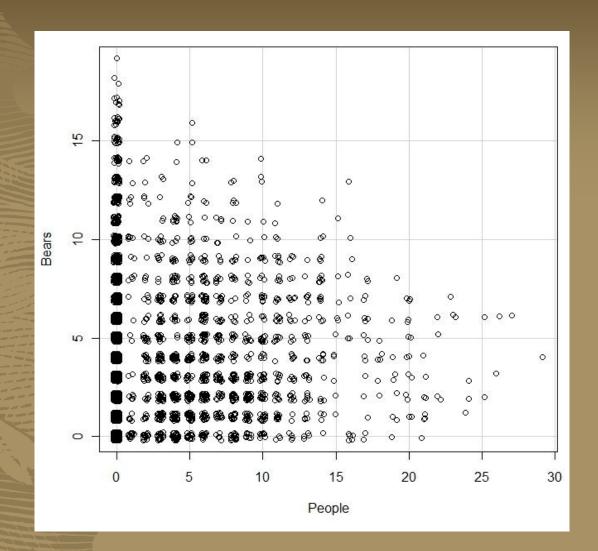


Increase over years

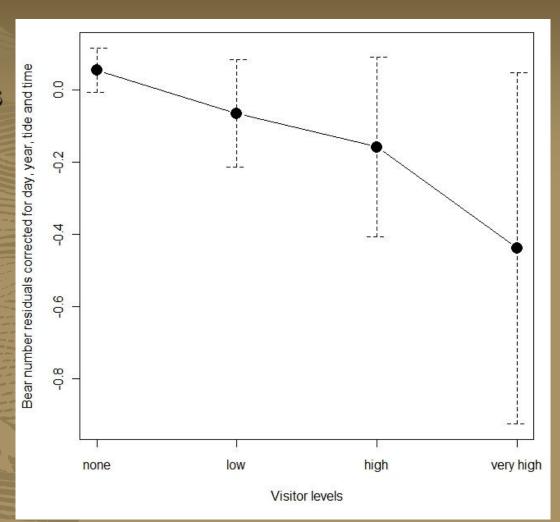


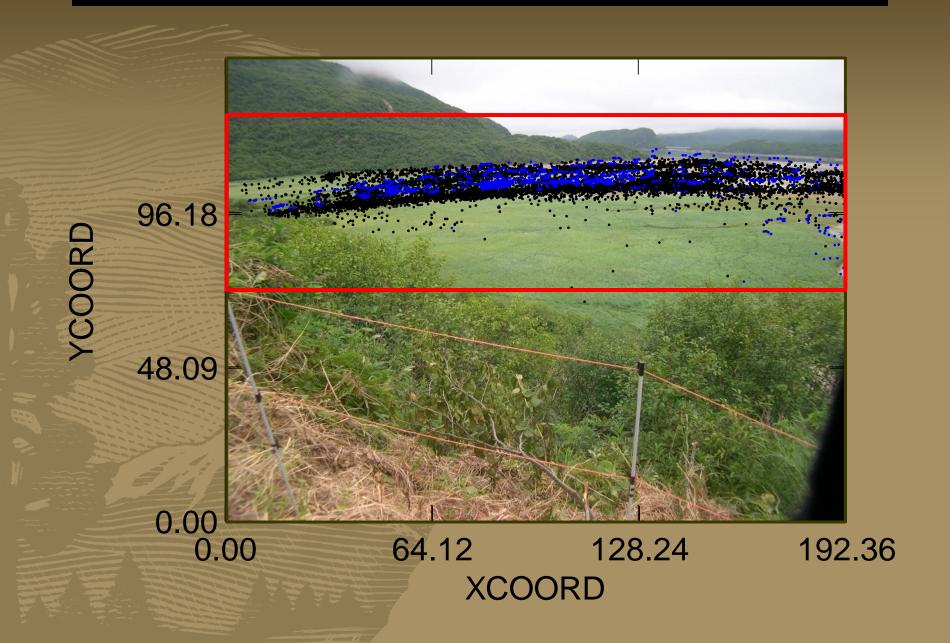


- Visitors are present during bear activity
- Bear numbers decrease when there are high numbers of visitors

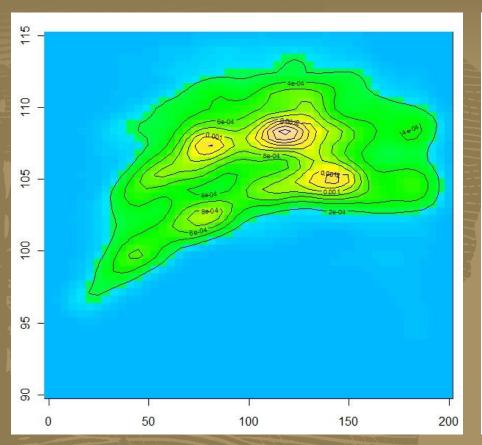


 Residual analysis used to correct for variations in year, tide, time and day of year

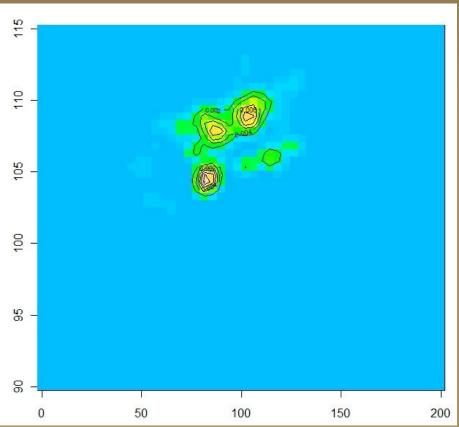




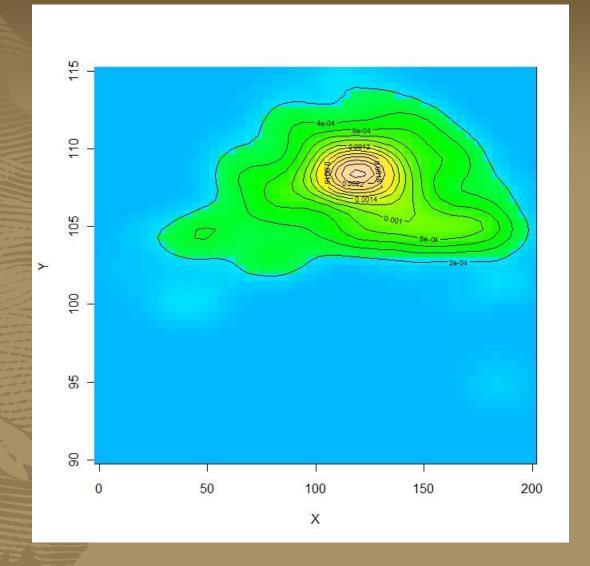
### Bears



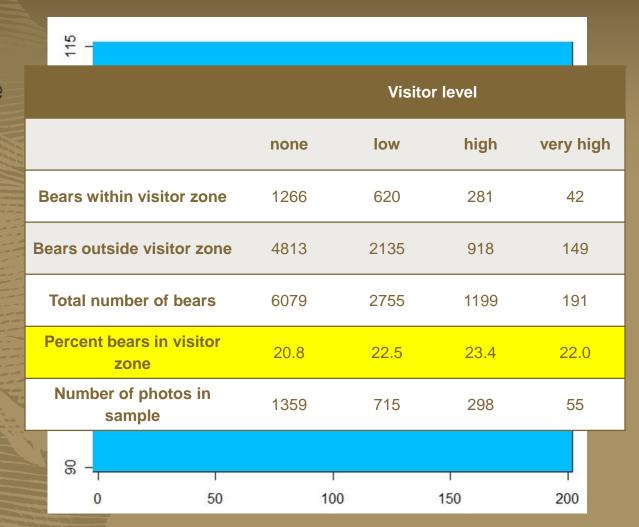
# People



### A TOO PASTICULAR SOS S

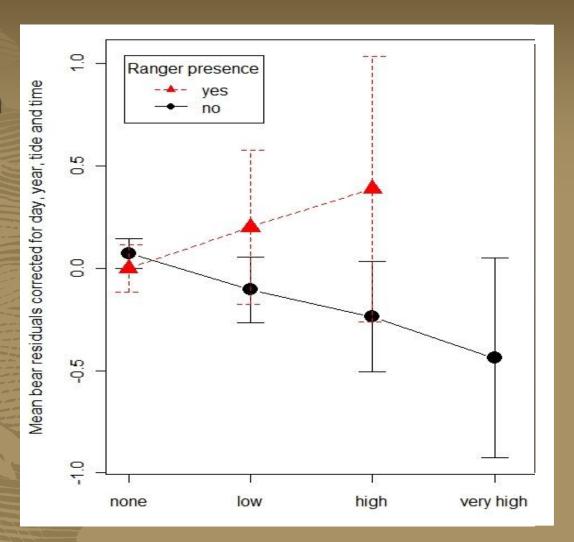


Bear use of the viewing area

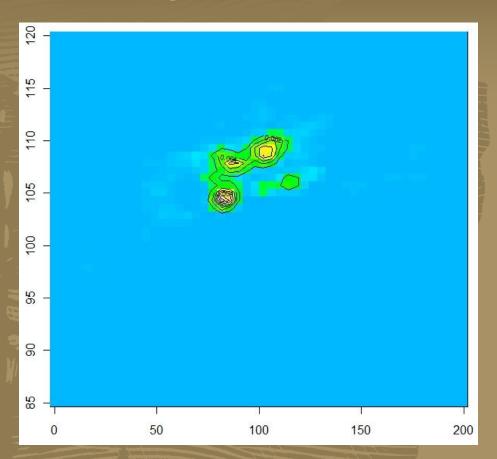




Increase in mean bear numbers with ranger presence



### No rangers



## Rangers present

